Workflow Navigator Tour Transcript

The Workflow Navigator window within the Interactive Forecast Display GUI shows all of the registered workflows for the entire forecast area and its associated structure. The workflows and nested activities follow a hierarchal sequence ensuring an optimal pattern.

The highest level of sequencing is at the System and Preprocessing level. Here the ABRFC_Forecast is the main workflow. Its activities include: nested workflows for importing data, then preprocessing activities at the RFC level, followed by each forecast group workflow. The workflow configuration files associated with these sections are found in the "System + Preprocessing" directory.

The next level down in the workflow sequencing is the forecast group level. Here the forecast group nested workflows contain all of the activities for each segment in the particular forecast group. The forecast group level sequencing follows a similar pattern to the system and preprocessing level. The Forecast group activities for the NMWTX_Forecast workflow begins with the preprocessing nested workflow at the forecast group level followed by the ordered segment nested workflows. The workflow configuration files associated with these sections are found in the individual forecast group subdirectories.

The final level in the workflow sequencing is the segment level. Here each segment has its own forecast workflow file where the activities include the ordering of the segment level nested workflows. Each segment has a flow_forecast workflow file with activities including the modules to be run at that segment. The workflow configuration files associated with these sections are found in the individual forecast group subdirectories in which the segments are grouped.

Updatestates workflow files at the system and preprocessing level, the forecast group level, and the segment level are not shown in the Workflow Navigator. However, you will see these configuration files in the WorkflowFiles subdirectories. These updatestates workflow files are used to gather the latest warm state values for time series data.

When it comes to Configuring workflows, you as a focal point, will most often be completing the following tasks: Workflow Optimization or rearranging activities in workflows to speed up the system, adding and/or removing modules to existing workflows, and adding/removing workflows in accordance with optimization activities.

Maintaining the CHPS workflow configuration files is key to keeping CHPS running as efficiently possible and the system up to date as new sources of data become available.